

Claims

- [c1] 1. A method of providing substantially water-free exhaust gas comprising:
- (1) extracting exhaust gas from a hydrocarbon fuel consuming engine;
 - (2) passing said exhaust gas through a catalytic converter;
 - (3) passing exhaust gas from said catalytic converter through a compression and cooling step in which the exhaust gas is chilled below the dew point temperature thereof to cause entrained water therein to condense out;
 - (4) separating out and disposing of condensed water from step (3) to provide extra dry exhaust gas; and
 - (5) compressing said extra dry exhaust gas to provide compressed extra dry exhaust gas for industrial purposes.
- [c2] 2. A system for providing extra dry, substantially water-free exhaust gas comprising:
- a hydrocarbon fuel consuming engine that produces exhaust gas;
 - a catalytic converter connected to receive exhaust gas from said engine and having a gas outlet; and
 - a compressor/cooler combination by which gas from said catalytic converter is chilled to below the dew point temperature thereof to cause water entrained therein to condense out to extract substantially all water therefrom, the extracted water being disposed of to provide substantially water-free exhaust gas for industrial purposes.